Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ma	Location *			
Category	Earthen L	evee		GPS La	atituc	de/Longitude	
Category				Start		End	
Item	Operation	nce		0		0	
item	Manuals						0
DWR ID	DWR ID DWR_MA0004_01_s _ 2013_9						
		Comn	nent Cod	de			
		Inspect	or Comm	nent			
The Sacramento Maintenance Yard has copies of their O&M manuals.							

No Photos

LM Start		Rating **	Α	Issue No.		10	
LM End		Issue Type +	Ma	Location *			
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Emergency Supplies &				0		c
пеш	Equipmen	nt			0		c
DWR ID DWR_MA0004_01_s _ 2013_10							
		Comn	nent Cod	de			

No Photos

Inspector Comment The Sacramento Maintenance Yard has a stockpile of flood response

LM Start		Rating **	Α	Issue No.		11	
LM End		Issue Type +	Ма	Location *			
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start	Start		
Item	Flood Preparedness & Training				0		0
пеш	tem				0		0
DWR ID	DWR_MA0	004_01_s _ 201	13_11				
		Comn	nent Cod	le			
	Inspector Comment						
The Sacra	mento Mai	ntenance Yar	d has a	written flood	d res	sponse plan	

No Photos

* Location

CR : Crown

material.

LS: Land Side N/A: Not Applicable WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

and flood response training.

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Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta		38.5968	323°	38.596823°	
iteiii			-121.547608 °		-121.547608°	
DWR ID	DWR_MA0	004_01_s _ 201	6_16			
		Comn	nent Cod	de		
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.						
Inspector Comment						



View of the slope stability on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.15	Rating **	A/W	Issue No.		6	
LM End	0.15	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Slope Stability			38.5966	54°	38.596654°	
пеш				-121.544791 °		-121.544791 °	
DWR ID	DWR_MA0	004_01_f _ 201	8_6	'			
		Comn	nent Cod	de			
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							
Inspector Comment							
Monitor for	otpath.						

No Photos

LM Start	0.22	Rating **	С	Issue No.		8	
LM End	0.22	Issue Type +	Ma	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Item Trim / Thin Trees				24°	38.597024°	
item					83°	-121.543683 °	
DWR ID	DWR_MA0	004_01_f _ 201	7_8				
		Comn	nent Cod	de			
T1: Trim t	rees to at	east five feet	above g	round level.			
	Inspector Comment						

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

LM Start	2.12	Rating **	A/W	Issue No.		18	
LM End	2.12	Issue Type +	Ма	Location *		WS	
Category	evee	GPS La	atitud	le/Longitude			
Calegory				Start		End	
Item	Animal Co	ontrol		38.5986	13°	38.598613 °	
item				-121.5130	12°	-121.513012 °	
DWR ID DWR_MA0004_01_f _ 2015_18							
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; ne	ed to	backfill and	
		Inspecto	or Comm	nent			
Backfill animal holes that have reappeared.							
	1						



Updated view of animal holes on WS slope. Fall 2016.

LM Start	2.15	Rating **	М	Issue No.		19
LM End	2.15	Issue Type +	Ma	Location *		CR
Category Earthen Levee				GPS La	titud	e/Longitude
Calegory				Start End		
Item	Encroachments			38.5981	81 °	38.598181 °
пеш			62 °	-121.512862°		
DWR ID DWR_MA0004_01_s _ 2018_19						
		_				

Comment Code

TR: Tree or limb

Inspector Comment

Tree limbs still on the crown.

Photo 1 of 1: FA_2018_MA0004_298_19_20180919_00011.jpg



View of tree limbs on the crown. Spring 2018.

Photo 1 of 2: FA_2018_MA0004_298_13_20180919_00005.jpg

LM Start	2.18	Rating **	A/W	Issue No.	0. 13		
LM End	2.18	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.5979	32°	38.597932°	
item				-121.5128	87°	-121.512887°	
DWR ID	DWR MAG	004_01_s _ 201	5 13				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment



Runoff erosion is on the shoulder of the landward side. Spring 2016.

* Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS: Land Side N/A: Not Applicable : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS: Water Side C : Corrected U : Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

Category Earthen Levee Erosion / Bank Caving	Start	LS tude/Longitude End						
Category Erosion / Bank Caving	Start							
Item Erosion / Bank Caving		End						
ltem								
	38.597932	2° 38.597932°						
-	-121.512887 ° -121.5							
DWR ID DWR_MA0004_01_s _ 2015_13								
Comment Code								
E2 : Schedule repair of erosion site prior to the next inspection.								
Inspector Comment								

Photo 2 of 2 : FA_2018_MA0004_298_13_20180919_00006.jpg

Perspective view of the runoff erosion on the landward side of the levee looking upstream. Spring 2016.

LM Start	2.56	Rating **	М	Issue No.		29			
LM End	2.56	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS Latitude/Longitude					
Category				Start		End			
Item	Encroachi	ments		38.5926	54°	38.592654°			
пеш				-121.511913° -121.51					
DWR ID DWR_MA0004_01_s _ 2018_29									
		Comn	nent Cod	de					
TR : Tree	or limb								
	Inspector Comment								
Tree limb still on levee slope.									

No Photos

LM Start	2.57	Rating **	M	Issue No.		26		
LM End	2.57	Issue Type +	Ма	Location *		WS		
Category	Earthen Levee			GPS Latitude/Longitude				
Category				Start		End		
Item	Encroach	ments		38.5924	48°	38.592448		
пеш				-121.5118	.5° -121.511825			
DWR ID	DWR_MA0	004_01_f _ 201	7_26					
		Comn	nent Cod	de				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Large falle	Large fallen tree branch still on waterside slope.							

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

LM Start	2.63	Rating **	М	Issue No.		20	
LM End	2.63	Issue Type +	Ма	Location *	* LS		
Catagonia Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
ltom	Animal Co	mal Control			32°	38.591532°	
Item			-121.5116	46°	-121.511646°		
DWR ID DWR_MA0004_01_f _ 2016_20							

Comment Code

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The rodents have been exterminated, but the hole needs to be backfilled.

Photo 1 of 1: FA_2018_MA0004_298_20_20180919_00012.jpg



Large diameter animal burrows on LS slope. Fall 2016.

LM Start	2.65	Rating **	A/W	Issue No.	22			
LM End	2.65	Issue Type +	Ma	Location *	LS			
Category	Catagori Earthen Levee				GPS Latitude/Longitude			
Calegory	egory			Start		End		
ltom	Slope Sta	bility		38.5913	80°	38.591380°		
Item				-121.5113	45°	-121.511345°		
DWR ID DWR_MA0004_01_f _ 2015_22								

Comment Code

S2: Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Material has been added to build the slope back up, however the path is still active. Recommend monitoring.

Photo 1 of 1: FA_2018_MA0004_298_22_20180919_00014.jpg



View looking upstream of the depression on the landward side of the levee due to foot trafffic. Fall 2015.

LM Start	2.70	Rating **	М	Issue No.		17		
LM End	2.70	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category	tegory			Start		End		
Itom	Slope Stability)2 °	38.590802 °		
пеш	Item		-121.51073	36°	-121.510736°			
DWR ID	DWR_MA0	004_01_f _ 201	8_17					
	0 10 1							

Comment Code

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Repair slope damage from vehicular traffic bypassing gate. Recommend placement of a barrier.

Photo 1 of 1: FA_2018_MA0004_298_17_20181029_00029.jpg



View of slope damage from vehicular traffic bypassing gate. Fall 2018

Location

N/A: Not Applicable LS: Land Side

WS: Water Side CR : Crown

Acceptable Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	10/25/2018 10/25/2018	Luz Dial

LM Start	2.81	Rating **	М	Issue No.		25	
LM End	2.81	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee	GPS Latitude/Lo			e/Longitude	
Calegory				Start		End	
Item	Slope Stability			38.589834°		38.589834 °	
пеш				-121.5091	10°	-121.509110 °	
DWR ID DWR_MA0004_01_f _ 2018_25							
Comment Code							
Ca . Dono	r the levee	alana damaa	.ad b	hiolo troffic		l nrovent	

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Repair slope damage from vehicular traffic.

Photo 1 of 1: FA_2018_MA0004_298_25_20181029_00030.jpg



View of slope damage from vehicular traffic. Fall 2018

LM Start	2.91	Rating **	A/W	Issue No.		24		
LM End	2.91	Issue Type +	Ма	Location *		WS		
Category	Earthen Levee			GPS Latitude/Longitude				
				Start		End		
Item	Slope Stability			38.5889	37°	38.588937°		
				-121.5079	20°	-121.507920°		
DWR ID	DWR_MA0004_01_s _ 2018_24							

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Footpath on landside slope. Recommend monitoring.

Photo 1 of 1 : FA_2018_MA0004_298_24_20180919_00016.jpg



View looking downstream of the slope stability issue due to foot traffic on the waterward side of the levee . Fall 2015.

LM Start	2.92	Rating **	М	Issue No.		28		
LM End	2.92	Issue Type +	Ma	Location *	WS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start		End		
Item	Slope Stability			38.5887	40°	38.588740 °		
				-121.5078	94°	-121.507894°		
DWR ID	DWR_MA0004_01_f _ 2018_28							
Comment Code								

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Repair slope damage/caving due to foot traffic.

Photo 1 of 1 : FA_2018_MA0004_298_28_20181029_00031.jpg



View of slope damage from foot traffic. Fall 2018

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side

** Rating
A: Acceptable
N: Not Inspected/Rated
Ma: Maintenance Deficiancy
M: Minimally Acceptable
C: Corrected
Ob: Design & System Obsole

WS : Water Side M : Minimally Acceptable C : Corrected Ob : Design & System Obsolescence CR : Crown U : Unacceptable A/W : Acceptable but Monitor & Maintain En : Enforcement